SEQUENCE\LISTING

GENERAL INFORMATION INC.

APPLICANT: ANDERTON, STEPHEN MARK (i)

VAN DER ZEE, RUURD

- VAN EDEN, WILLEM
 (ii) TITLE OF INVENTION: PEPTIDE FRAGMENTS OF MICROBIAL STRESS PROTEINS AND PHARMACEUTICAL COMPOSITION MADE THEREOF FOR THE TREATMENT AND PREVENTION OF INFLAMMATORY DISEASES
- (iii) NUMBER OF SEQUENCES: 6
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: THE WEBB LAW FIRM
- (B) STREET: 700 KOPPERS BUILDING, 436 SEVENTH AVENUE
- (C) CITY: PITTSBURGH
- (D) STATE: PENNSYLVANIA
- (E) COUNTRY: UNITED STATES OF AMERICA
- (F) ZIP: 15219-1818
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: 3.5" FLOPPY DISK
- (B) COMPUTER: Midwest Micro 486-50
- (C) OPERATING SYSTEM: DOS
- (D) SOFTWARE: WORDPERFECT 6.1
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: 08/716,169
- (B) FILING DATE: 18-\$EP-1996
- (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER: PCT/NL95/00108
- (B) FILING DATE: 21-MAR-1995
- (2) INFORMATION FOR SEQ ID NO: 1:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 540
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: UNKNOWN
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

 Met Ala Lys Thr Ile Ala Tyt Asp Glu Glu Ala Arg Arg Gly Leu

 Ala Lys Thr Leu

 Ala Tyt Asp Glu Glu Ala Arg Arg Gly Leu Glu Arg Gly Leu Asn Ala Leu Ala Asp Ala Val Lys Val Thr Leu
- Gly Pro Lys Gly Arg Asn Val\Val Leu Glu Lys Lys Trp Gly Ala 45
- Pro Thr Ile Thr Asn Asp Gly Wal Ser Ile Ala Lys Glu Ile Glu
- Leu Glu Asp Pro Tyr Glu Lys | Tle Gly Ala Glu Leu Val Lys Glu
- Val Ala Lys Lys Thr Asp Asp Val Ala Gly Asp Gly Thr Thr Thr
- Ala Thr Val Leu Ala Gln Ala Leu Val Arg Glu Gly Leu Arg Asn
- Val Ala Ala Gly Ala Asn Pro Leu Gly Val Lys Arg Gly Ile Glu
- Lys Ala Val Glu Lys Val Thr Glu Thr Leu Leu Lys Gly Ala Lys Glu Val Glu Thr Lys Glu Gln Ile Ala Ala Thr Ala Ala Ile Ser Ala Gly Asp Gln Ser Ile Gly Asp Leu Ile Ala Glu Ala Met Asp

- Lys Val Gly Asn Glu Gly Val Ile Thr Val Glu Glu Ser Asn Thr
- Phe Gly Leu Gln Leu Glu Leu Thr Glu Gly Met Arg Phe Asp Lys
- Gly Tyr Ile Ser Gly Tyr Phe Val Thr Asp Pro Glu Arg Gln Glu 210
- Ala Val Leu Glu Asp Pro Tyr Ile Leu Leu Val Ser Ser Lys Val
- Ser Thr Val Lys Asp Leu Leu Pro Leu Leu Glu Lys Val Ile Gly
- Ala Gly Lys Pro Leu Leu Ile Ile Ala Glu Asp Val Glu Gly Glu 255 Ala Leu Ser Thr Leu Val Val Asn Lys Ile Arg Gly Thr Phe Lys 270
- Ser Val Ala Val Lys Ala Pro Gly Phe Gly Asp Arg Arg Lys Ala 285
- Met Leu Gln Asp Met Ala Ile Leu Thr Gly Gly Gln Val Ile Ser
- Glu Glu Val Gly Leu Thr Leu Glu Asn\ Ala Asp Leu Ser Leu Leu

Gly Lys\Ala Arg Lys Val Val Val Thr Lys Asp Glu Thr Thr Ile Val Glu Gly Ala Gly Asp Thr Asp Ala Ile Ala Gly Arg Val Ala Gln Ile arg Gln Glu Ile Glu Asn Ser Asp Ser Asp Tyr Asp Arg Glu Lys Leu Gln Glu Arg Leu Ala Lys Leu Ala Gly Gly Val Ala 375 Val Ile Lys Ala Gly Ala Ala Thr Glu Val Glu Leu Lys Glu Arg 390 Lys His Arq Ile Glu Asp Ala Val Arg Asn Ala Lys Ala Ala Val Glu Glu Gly Ile Val Ala Gly Gly Val Thr Leu Leu Gln Ala Ala Pro Thr Leu Asp Glu Leu Lys Leu Glu Gly Asp Glu Ala Thr Gly Ala Ash Ile Val Lys Val Ala Leu Glu Ala Pro Leu Lys Gln Ile Ala Phe Asn Ser Gly Leu Glu Pro Gly Val Val Ala Glu Lys 465 Val Arg Asn Leu Pro Ala Gly His Gly Leu Asn Ala Gln Thr Gly 480 Val Lys Glu\Asp Leu Leu Ala Ala Gly Val Ala Asp Pro Val Lys 495 Val Thr Arg Ser Ala Leu Gln Asn Ala Ala Ser Ile Ala Gly Leu 510 Phe Leu Thr Thr Glu Ala Val Val Ala Asp Lys Pro Glu Lys Glu 525 Lys Ala Ser Val Pro Gly Gly Gly Asp Met Gly Gly Met Asp Phe (2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 333

(B) TYPE: AMINO ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: UNKNOWN

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: Ala Val Lys Val Gly Ile Asn Gly Phe Gly Arg Ile Gly Arg Asn Val Phe Arg Ala Ala Leu Lys Asn Pro Asp Ile Glu Val Val Ala 30 Val Asn Asp Leu Thr Asp Ala Asn Thr Leu Ala His Leu Leu Lys 45 60 Tyr Asp Ser Val Ais Gly Arg Leu Asp Ala Glu Val Ser Val Asn Gly Asn Asn Leu Wal Val Asn Gly Lys Glu Ile Ile Val Lys Ala 75 ∖Glu Arg Asp Pro Glu Asn Leu Ala Trp Gly Glu Ile Gly Val Asp Ile Val Val Glu Ser Thr Gly Arg Phe Thr Lys Arg Glu Asp Ala 105 Ala Lys His Leu Glt Ala Gly Ala Lys Lys Val Ile Ile Ser Ala 120 Pro Ala Lys Asn Gld Asp Ile Thr Ile Val Met Gly Val Asn Gln Asp Lys Tyr Asp Pro/Lys Ala His His Val Ile Ser Asn Ala Ser 150 Cys Thr Thr Asn Cys Leu Ala Pro Phe Ala Lys Val Leu His Glu 165 Gln Phe Gly Ile Val Arg Gly Met Met Thr Thr Val His Ser Tyr Thr Asn Asp Gln Arg Tle Leu Asp Leu Pro His Lys Asp Leu Arg Arg Ala Arg Ala Ala Ala Glu Ser Ile Ile Pro Thr Thr Gly 210 Ala Ala Lys Ala Val Ala Leu Val Leu Pro Glu Leu Lys Gly Lys 225 Leu Asn Gly Met Ala Met Arg Val Pro Thr Pro Asn Val Ser Val Val Asp Leu Val Ala Glu Leu Glu Lys Glu Val Thr Val Glu Glu 255 Val Asn Ala Ala Leu Lys Ala Ala Glu Gly Glu Leu Lys Gly 270 Ile Leu Ala Tyr Ser Glu Glu Pro Leu Val Ser Arg Asp Tyr Asn 285 Gly Ser Thr Val Ser Ser Thr Ile Asp Ala Leu Ser Thr Met Val Ile Asp Gly Lys Met Val Lys Val Val Ser Trp Tyr Asp Asn Glu Thr Gly Tyr Ser His Arg Val Val Asp Leu Ala Ala Tyr Ile Ala 300 315 Ser Lys Gly

- (2) INFORMATION FOR SEQ ID NO: 3:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 332
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: UNKNOWN
- (xi) SEQUENCE DESCRIPTION: \SEQ ID NO: 3:

Val Lys Val Gly Val Asn Gly Phe Gly Arg Ile Gly Arg Leu Val 15 Thr Arg Ala Ala Phe Ser Cys Asp Lys Val Asp Ile Val Ala Ile 30

Asn Asp Pro Phe Ile Asp Leu Asn Tyr Met Val Tyr Met Phe Gln 45 Tyr Asp Ser Thr His Gly Lys Phe Asn Gly Thr Val Lys Ala Glu 60 Asn Gly Lys Leu Val Ile Asn Gly Lys Pro Ile Thr Ile Phe Gln 75 Glu Arg Asp Pro Val Lys Ile Lys Trp Gly Asp Ala Gly Ala Glu 90 Tyr Val Val Glu Ser Thr Gly Val Phe Thr Thr Met Glu Lys Ala 105 Gly Ala His Leu Lys Gly Gly Ala Lys Arg Val Ile Ile Ser Ala 120 Pro Ser Ala Asp Ala Pro Met Phe Val Met Gly Val Asn His Glu 135 Lys Tyr Asp Asn Ser Leu Lys Ile Val Ser Asn Ala Ser Cys Thr 150 Thr Asn Cys Leu Ala Pro Leu Ala Lys Val Ile His Asp Asn Phe 165 Gly Ile Val Glu Gly Leu Met Thr Thr Val His Ala Ile Thr Ala 180 Thr Gln Lys Thr Val Asp Gly Pro Ser Gly Lys Leu Trp Arg Asp 195 Gly Arg Gly Ala Ala Gln Asn Ile Ile Pro Ala Ser Thr Gly Ala 210 Ala Lys Ala Val\Gly Lys Val Ile Pro Glu Leu Asn Gly Lys Leu 225 Thr Gly Met Ala\Phe Arg Val Pro Thr Pro Asn Val Ser Val Val 240 Asp Leu Thr Cys \Arg Leu Glu Lys Pro Ala Lys Tyr Asp Asp Ile 255 Lys Lys Val Val Lys Gln Ala Ala Glu Gly Pro Leu Lys Gly Ile 270 Leu Gly Tyr Thr Glu Asp Gln Val Val Ser Cys Asp Phe Asn Ser 285 Asn Ser His Ser Ser Thr Phe Asp Ala Gly Ala Gly Ile Ala Leu 300 Asn Asp Asn Ile Val Lys Leu Ile Ser Trp Tyr Asp Asn Glu Tyr 315 Gly Tyr Ser Asn Arg Val Val Asp Leu Met Ala Tyr Met Ala Ser 330 Lys Glu

- (2) INFORMATION FOR SEQ ID NO: 4:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 573
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: UNKNOWN

(xi) SEQUENCE DESCRIPTON: SEQ ID NO: 4: Met Leu Arg Leu Pro Thr Val Phe Arg Gln Met Arg Pro Val Ser Arg Val Leu Ala Pro Wis Leu Thr Arg Ala Tyr Ala Lys Asp Val 30 Lys Phe Gly Ala Asp Ala Arg Ala Leu Met Leu Gln Gly Val Asp 45 Leu Leu Ala Asp Ala Val Ala Val Thr Met Gly Pro Lys Gly Arg 60 Thr Val Ile Ile Glu Gin Ser Trp Gly Ser Pro Lys Val Thr Lys 75 Asp Gly Val Thr Val Ala Lys Ser Ile Asp Leu Lys Asp Lys Tyr 90 Lys Asn Ile Gly Ala Lys Leu Val Gln Asp Val Ala Asn Asn Thr Asn Glu Glu Ala Gly Asp Gly Thr Thr Thr Ala Thr Val Leu Ala Arg Ser Ile Ala Lys Glu Gly Phe Glu Lys Ile Ser Lys Gly Ala Asn Pro Val Glu Ile Arg Arg Gly Val Met Leu Ala Val Asp Ala Val Ile Ala Glu Leu Lys Lys Gln Ser Lys Pro Val Thr Thr Pro 120 135 150 165 Glu Glu Ile Ala Gln Val Ala Thr Ile Ser Ala Asn Gly Asp Lys 180 Glu Ile Gly Asn Ile Ile Ser Asp Ala Met Lys Lys Val Gly Arg 195 Lys Gly Val Ile Thr Val Lys Asp Gly Lys Thr Leu Asn Asp Glu 210 Leu Glu Ile Ile Glu Gly Met Lys Phe Asp Arg Gly Tyr Ile Ser 225 Pro Tyr Phe Ile Asn Thr Ser Lys Gly Gln Lys Cys Glu Phe Gln 240 Asp Ala Tyr Val Leu Leu Ser Glu Lys Lys Ile Ser Ser Ile Gln 255 Ser Ile Val Pro Ala Leu Glu Ile Ala Asn Ala His Arg Lys Pro 270 Leu Val Ile Ile Ala Glu Asp Val Asp Gly Glu Ala Leu Ser Thr 285 Leu Val Leu Asn Arg Leu Lys Val Gly Leu Gln Val Val Ala Val 300 Lys Ala Pro Gly Phe Gly Asp Asn Arg Lys Asn Gln Leu Lys Asp Met Ala Ile Ala Thr Gly Gly Ala Val Phe Gly Glu Glu Gly Leu Thr Leu Asn Leu Glu Asp Val Gln Pro His Asp Leu Gly Lys Val Gly Glu Val Ile Val Thr Lys Asp Asp Ala Met Leu Leu Lys Gly 330 345 360 Lys Gly Asp Lys Ala Gln Ile Glu Lys Arg Ile Gln Glu Ile Ile 375 Glu Gln Leu Asp Val Thr Thr Ser Glu Tyr Glu Lys Glu Lys Leu 390 Asn Glu Arg Leu Ala Lys Leu Ser Asp Gly Val Ala Val Leu Lys 405

Val Gly Gly Thr Ser Asp Val Glu Val Asn Glu Lys Lys Asp Arg Val Thr Asp Ala Leu Asn Ala Thr Arg Ala Ala Val Glu Glu Gly Ile Val Leu Gly Gly Cys Ala Leu Leu Arg Cys Ile Pro Ala Leu Asp Ser Leu Thr Pro Ala Asn Glu Asp Gln Lys Ile Gly Ile 435 450 465 Glu Ile Ile Lys Arg Thr Leu Lys Ile Pro Ala Met Thr Ile Ala Lys Asn Ala Gly Val Glu Gly Ser Leu Ile Val Glu Lys Ile Met 480 495 Gin Ser Ser Ser Glu Val Gly Tyr Asp Ala Met Ala Gly Asp Phe 510 Val Asn Met Val Glu Lys Gly Ile Ile Asp Pro Thr Lys Val Val Arg Thr Ala Leu Leu Asp Ala Ala Gly Val Ala Ser Leu Leu Thr Thr Ala Glu Wal Val Val Thr Glu Ile Pro Lys Glu Glu Lys Asp 555 Pro Gly Met Gly Ala Met Gly Gly Met Gly Gly Met Gly Gly Gly Met Phe

- (2) INFORMATION FOR SEQ ID NO: 5:
- (i) SEQUENCE CHARACTERISTICS
- (A) LENGTH: 547
- (B) TYPE: AMING ACID
 (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: UNKNOWN
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Ala Lys Asp Val Lys Phe Gly Ala Asp Ala Arg Ala Leu Met Leu Gln Gly Val Asp Leu Ala Asp Ala Val Ala Val Thr Met Gly Pro Lys Gly Arg Thr Val Ile Ile Glu Gln Ser Trp Gly Ser Pro 45 Lys Val Thr Lys Asp Gly Val Thr Val Ala Lys Ser Ile Asp Leu 60 Lys Asp Lys Tyr Lys Asn Ile Gly Ala Lys Leu Val Gln Asp Val 75 Ala Asn Asn Thr Asn\Glu Glu Ala Gly Asp Gly Thr Thr Ala 90 Thr Val Leu Ala Arg Ser Ile Ala Lys Glu Gly Phe Glu Lys Ile 105 Ser Lys Gly Ala Asn Aro Val Glu Ile Arg Arg Gly Val Met Leu 120 Ala Val Asp Ala Val Ite Ala Glu Leu Lys Lys Gln Ser Lys Pro Val Thr Thr Pro Glu Glu Ile Ala Gln Val Ala Thr Ile Ser Ala 135 150 Asn Gly Asp Lys Asp Ile Gly Asn Ile Ile Ser Asp Ala Met Lys 165 Lys Val Gly Arg Lys Gly Val Ile Thr Val Lys Asp Gly Lys Thr Leu Asn Asp Glu Leu Glu Ile Ile Glu Gly Met Lys Phe Asp Arg 180 Gly Tyr Ile Ser Pro Tyr \Phe Ile Asn Thr Ser Lys Gly Gln Lys 210 Cys Glu Phe Gln Asp Ala Tyr Val Leu Leu Ser Glu Lys Lys Ile Ser Ser Val Gln Ser Ile Val Pro Ala Leu Glu Ile Ala Asn Ala 225 240 His Arg Lys Pro Leu Val Ite Ile Ala Glu Asp Val Asp Gly Glu 255 Ala Leu Ser Thr Leu Val Leu Asn Arg Leu Lys Val Gly Leu Gln 270 Val Val Ala Val Lys Ala Pro Gly Phe Gly Asp Asn Arg Lys Asn 285 Gln Leu Lys Asp Met Ala Ile Ala Thr Gly Gly Ala Val Phe Gly 300 Glu Glu Gly Leu Asn Leu Asn Leu Glu Asp Val Gln Ala His Asp 315 Leu Gly Lys Val Gly Glu Val Ile Val Thr Lys Asp Asp Ala Met Leu Leu Lys Gly Lys Gly Asp Lys Ala His Ile Glu Lys Arg Ile Gln Glu Ile Thr Glu Gln Leu Asp Ile Thr Thr Ser Glu Tyr Glu 330 345 360 Lys Glu Lys Leu Asn Glu Arg Leu Ala Lys Leu Ser Asp Gly Val 375 Ala Val Leu Lys Val Gly Gly Thr Ser Asp Val Glu Val Asn Glu 390 Lys Lys Asp Arg Val Thr Asp Ala Leu Asn Ala Thr Arg Ala Ala Val Glu Glu Gly Ile Val Leu Gly Gly Gly Cys Ala Leu Leu Arg 420 Cys Ile Pro Ala Leu Asp Ser Leu Lys Pro Ala Asn Glu Asp Gln 435 Lys Ile Gly Ile Glu Ile Ile Lys Arg Ala Leu Lys Ile Pro Ala Met Thr Ile Ala Lys Asn Ala Gly Val Glu Gly Ser Leu Ile Val Glu Lys Ile Leu Gln Ser Ser Glu Val Gly Tyr Asp Ala Met 450 465 480 Leu Gly Asp Phe Val Asn Met Val Glu Lys Gly Ile Ile Asp Pro 495 Thr Lys Val Val Arg Thr Ala Leu Leu Asp Ala Ala Gly Val Ala 510 Ser Leu Leu Thr Thr Ala Glu Ala Val Val Thr Glu Ile Pro Lys 525

Glu Glu Lys Asp Pro Gly Met Gly Ala Met Gly Gly Met Gly Gly 540 Gly Met Gly Gly Met Phe

- (2) INFORMATION FOR SEQ ID NO: 6:
- (i) SEQUENCE CHARACTERISTICS
- (A) LENGTH: 5/55
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: UNKNOWN
- (xi) SEQUENCE PESCRIPTION: SEQ ID NO: 6:

Ala Pro His Leu Thr Arg Ala Tyr Ala Lys Asp Val Lys Phe Gly Ala Asp Ala Arg Ala Leu Met Leu Gln Gly Val Asp Leu Leu Ala Asp Ala Val Ala Val Thr Met Gly Pro Lys Gly Arg Thr Val Ile Ile Glu Gln Ser Trp Gly Ser Pro Lys Val Thr Lys Asp Gly Val 30 45 60 Thr Val Ala Lys \Ser Ile Asp Leu Lys Asp Lys Tyr Lys Asn Ile 75 Gly Ala Lys Leu Val Gln Asp Val Ala Asn Asn Thr Asn Glu Glu Ala Gly Asp Gly thr Thr Thr Ala Thr Val Leu Ala Arg Ser Ile 105 Ala Lys Glu Gly Rhe Glu Lys Ile Ser Lys Gly Ala Asn Pro Val 120 Glu Ile Arg Arg Gly Val Met Leu Ala Val Asp Ala Val Ile Ala 135 Glu Leu Lys Lys Gln Ser Lys Pro Val Thr Thr Pro Glu Glu Ile 150 Ala Gln Val Ala Thr Ile Ser Ala Asn Gly Asp Lys Asp Ile Gly Asn Ile Ile Ser Asp Ala Met Lys Lys Val Gly Arg Lys Gly Val Ile Thr Val Lys Ash Gly Lys Thr Leu Asn Asp Glu Leu Glu Ile Ile Glu Gly Met Lys Phe Asp Arg Gly Tyr Ile Ser Pro Tyr Phe 210 Ile Asn Thr Ser Lys Gly Gln Lys Cys Glu Phe Gln Asp Ala Tyr Val Leu Leu Ser Glu Lys Lys Phe Ser Ser Val Gln Ser Ile Val Pro Ala Leu Glu Ile Ala Asn Ala His Arg Lys Pro Leu Val Ile Ile Ala Glu Asp Val Asp Gly Glu Ala Leu Ser Thr Leu Val Leu 270 Asn Arg Leu Lys Val dly Leu Gln Val Val Ala Val Lys Ala Pro Gly Phe Gly Asp Asn Arg Lys Asn Gln Leu Lys Asp Met Ala Ile 300 Ala Thr Gly Gly Ala Val Phe Gly Glu Glu Gly Leu Asn Leu Asn 315 Leu Glu Asp Val Gln Ala His Asp Leu Gly Lys Val Gly Glu Val Ile Val Thr Lys Asp Asp Ala Met Leu Leu Lys Gly Lys Gly Asp 330 Lys Ala His Ile Glu Lys Arg Ile Gln Glu Ile Thr Glu Gln Leu Asp Ile Thr Thr Ser Glu\Tyr Glu Lys Glu Lys Leu Asn Glu Arg 375 Leu Ala Lys Leu Ser Asp Gly Val Ala Val Leu Lys Val Gly Gly Thr Ser Asp Val Glu Val Asn Glu Lys Lys Asp Arg Val Thr Asp 405 Ala Leu Asn Ala Thr Arg Ala Ala Val Glu Glu Gly Ile Val Leu 420 Gly Gly Cys Ala Leu Leu Arg Cys Ile Pro Ala Leu Asp Ser 435 Leu Lys Pro Ala Asn Glu Asp Gln Lys Ile Gly Ile Glu Ile Ile 450 Lys Arg Ala Leu Lys Ile Pro Ala Met Thr Ile Ala Lys Asn Ala 465 Gly Val Glu Gly Ser Leu Ile Val Glu Lys Ile Leu Gln Ser Ser 480 Ser Glu Val Gly Tyr Asp Ala Met Leu Gly Asp Phe Val Asn Met Val Glu Lys Gly Ile Ile Asp Pro Thr Lys Val Val Arg Thr Ala 510 Leu Leu Asp Ala Ala Gly Val Ala Ser Leu Leu Thr Thr Ala Glu Ala Val Val Thr Glu Ile Pro Lys Glu Glu Lys Asp Pro Gly Met Gly Ala Met Gly Gly Met Gly Gly Gly Gly Gly Met Phe 525

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